

Interdisciplinary Instrumentation Colloquium

Compton Telescopes for High Energy Astrophysics

Speaker: Steven Boggs
Physics Department & Space Sciences Lab, UCB

Date: Wednesday, March 15, 2006

Time: 4:00 PM sharp

Place: LBNL, Building 50 Auditorium
(directions at <http://InstrumentationColloquium.LBL.gov>)

COMPTEL on NASA's Compton Gamma-Ray Observatory (1991 - 2000) pioneered the technique of imaging the gamma-ray sky without the use of optics, through the direct measurement of photon scattering parameters in large-volume detectors. In the intervening decades since COMPTEL's design and development, detector technologies have advanced to the point where much more sensitive telescopes are being developed for current and future telescopes. I will review science goals, Compton imaging techniques, detector advances, and current and future instruments, including results from the Nuclear Compton Telescope, our balloon-borne prototype instrument.

Presentations (pdf files) and dates of future colloquia are posted at
<http://InstrumentationColloquium.LBL.gov>

Suggestions for speakers and topics are welcome. Please contact
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